computer code for detecting the network fault;

computer code for determining whether or not the detected network fault is a reportable network fault;

computer code for generating an alarm report based upon the reportable network fault;

computer code for distributing the alarm report based upon a distribution list in real time; and

computer readable medium for storing the computer program product.

18.   Computer program product as recited in claim 17, further comprising:

computer code for generating a solution recommendation based upon the reportable network fault.

19.   Computer program product as recited in claim 17, further comprising:

computer code for logging the reportable network fault to an event logger.

20.   Computer program product as recited in claim 19, wherein the computer code for detecting comprises:

computer code for monitoring the communication network by a monitor device;

computer code for generating a fault signal by the monitor device when the monitor device detects an out of compliance network event;

computer code for sending the fault signal to a fault detector coupled to the monitoring device; and